



## Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

### COLD AND WET CONDITIONS DELAY FIELD ACTIVITY

Weather conditions varied this past week from highs in the 70's on Tuesday to snow by week's end, according to the USDA, NASS, Minnesota Field Office. Rain mixed with snow on Friday became all snow by midnight. Accumulation ranged from .20 inch in St. Cloud to 4.5 inches in Farmington. Sunshine returned Sunday but high temperatures were below average. Weekend snow pushed the 2010-2011 winter season to the 4<sup>th</sup> snowiest on record, according to the National Weather Service. Water levels have receded but several areas along the Minnesota, Red, Crow, and Mississippi Rivers are still under flood warning.

Producers anticipate full scale fieldwork to begin on April 25, unchanged from last week's estimate. As of April 17, topsoil moisture supplies were rated 51 percent adequate and 49 percent surplus, compared to 46 percent adequate and 54 percent surplus for the previous week. Oats planting was underway at 4 percent complete, compared to 61 percent last year and 21 percent for the five-year average. Barley was 1 percent planted, compared to 40 percent last year and 11 percent average. Land prepared for corn and soybeans was rated 2 percent and 1 percent, respectively.

Producers continued to prepare equipment and supplies for planting, and some have begun light tillage and spreading fertilizer. Other farm activities included calving and lambing.

#### Days Suitable for Fieldwork: 0.8

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	51	49
Subsoil Moisture	0	1	54	45

#### Crop Progress as of April 17, 2011

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Land Prepared	2	1	27	10
Soybeans	Land Prepared	1	1	8	3
Oats	Planted	4	0	61	21
Spring Wheat	Planted	0	0	38	9
Barley	Planted	1	0	40	11
Approximate Date to Begin Full-Scale Fieldwork		4/25	4/25	4/13	4/21

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:

<http://climate.umn.edu/doc/weekmap.asp>

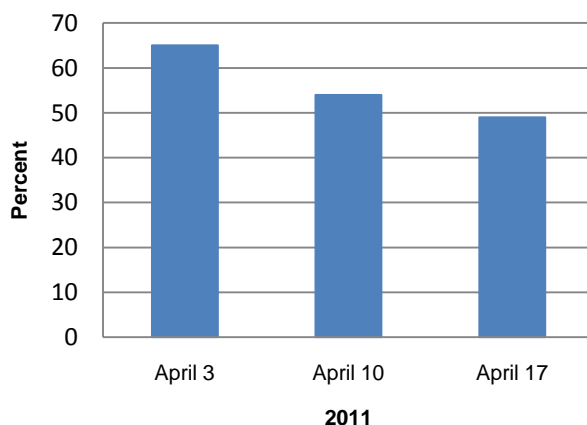
Spring flood information:

[http://climate.umn.edu/doc/journal/flood\\_2011/flooding\\_2011.htm](http://climate.umn.edu/doc/journal/flood_2011/flooding_2011.htm)

National Weather Service's Minnesota Data:

<http://www.nws.noaa.gov/view/states.php?state=MN>

Topsoil Moisture Supply Rated Surplus



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING April 17, 2011:  
Temperatures averaged from 2.2 degrees below normal in the Northwest,  
North Central, West Central Districts to 1.5 degrees above normal in the  
Southeast District. Extremes: 19 degrees in Marshall; 84 degrees in  
Preston. Average precipitation ranged from 0.37 inch below normal in the  
East Central District to 0.63 inch above normal in the Northwest  
District. Greatest weekly total of 2.12 inches was recorded in Itasca.

For a map of Minnesota's  
precipitation, please see  
the Minnesota Climatology  
Group's website;  
[http://climate.umn.edu/  
doc/weekmap.asp](http://climate.umn.edu/doc/weekmap.asp).

Precipitation and Temperature Summary for 4/11/2011 through 4/17/2011

	Temperature				Precipitation			
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1
<u>NW DIST 1</u>								
Crookston	61	21	36.8	-4.2	.55	.25	.50	.79
Itasca	68	21	36.9	-.2	2.12	1.72	1.63	1.51
Moorhead	62	27	39.9	-2.9	.58	.28	1.41	.65
Pembina, ND	60	21	35.4	-3.4	.40	.18	.74	1.01
Warroad	58	22	36.4	-.2	.99	.72	1.53	1.77
<u>NC DIST 2</u>								
Grand Rapids	72	22	38.2	-2.2	.49	.07	-.25	.26
Intl. Falls	70	21	36.4	-2.2	.55	.24	1.45	1.84
<u>NE DIST 3</u>								
Duluth	65	24	37.4	-.9	.44	-.04	-.27	.36
Grand Marais	60	22	36.3	-1.7	.24	-.04	-.20	.22
Hibbing	68	21	36.0	-2.7	.38	.03	-.28	.13
<u>WC DIST 4</u>								
Alexandria	69	28	40.0	-1.9	.07	-.36	-.52	-.45
Browns Valley	72	27	40.8	-3.0	.24	-.23	.01	-.83
Canby	73	27	42.2	-2.6	.28	-.25	.64	-.67
Montevideo	73	29	42.6	-1.1	.16	-.36	.35	-.42
Morris	69	29	40.5	-2.9	.10	-.36	-.99	-.87
Wheaton	75	29	41.1	-1.7	.35	-.10	-.35	-.49
<u>CENT DIST 5</u>								
Becker	69	30	45.0	1.1	.04	-.53	.79	.18
Collegeville	71	28	44.7	-.3	.08	-.40	.28	-.66
Hutchinson	70	31	44.6	.5	.23	-.27	.94	.46
Melrose	69	29	42.5	.1	.14	-.35	.26	-.65
Olivia	71	30	43.7	.2	.15	-.40	1.59	-.24
St. Cloud	69	30	43.2	.2	.02	-.48	.37	-.49
Wadena	69	25	39.6	-.7	.75	.30	.62	.24
Willmar	70	29	42.0	-.5	.16	-.33	.95	-.08
<u>EC DIST 6</u>								
Aitkin	70	24	40.0	-.4	.44	-.03	.37	.08
Forest Lake	78	30	47.0	3.3	.02	-.53	.36	-.33
Hinckley	69	26	42.4	1.9	.10	-.43	-.29	-.36
MSP Airport	68	32	45.8	-.2	.13	-.40	-.10	-.93
St. Paul - UofM	74	30	46.4	.9	.10	-.48	.62	-.78
<u>SW DIST 7</u>								
Lamberton	73	30	43.4	-.9	.36	-.28	-.13	-.65
Marshall	73	19	42.4	-2.0	.30	-.24	.36	-.07
Pipestone	73	27	41.0	-3.0	.73	.18	1.18	.68
Redwood Falls	73	31	43.5	-2.7	.30	-.29	2.41	1.00
Sioux Falls	75	28	41.5	-3.6	1.69	1.08	.09	.31
Worthington	72	28	43.9	1.1	.77	.13	.07	.25
<u>SC DIST 8</u>								
Faribault	76	30	45.7	2.2	.28	-.37	.85	.10
North Mankato	70	30	46.2	.1	.59	-.14	.52	-.41
Waseca	74	30	45.2	1.0	.67	-.08	1.53	.87
Winnebago	72	31	45.8	.4	1.00	.31	.45	.15
<u>SE DIST 9</u>								
Preston	84	31	47.5	3.0	.44	-.32	1.55	.23
Red Wing	78	32	47.5	2.3	.45	-.18	.41	-.67
Rochester	65	31	44.4	.3	.28	-.43	1.78	.21
Rosemount	75	30	46.0	1.2	.52	-.13	.25m	-.77m
Winona	82	32	48.4	3.1	.48	-.30	2.37	.40

m=some data missing

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